

## **- WATER DEPARTMENT -**

**SOURCE OF SUPPLY** - The Town of Milford primarily obtains its drinking water supply from two gravel packed wells, known as the Curtis Wells, with a combined yield of approximately 1,100 gallons per minute (GPM). An additional 1350 GPM can reach Milford water system customers due to the connection with the Pennichuck Water Works. The Pennichuck connection is routinely utilized three hours per day, three days per week, and whenever the Curtis Wells cannot meet Milford's demand for water. Should one or both of the Curtis Wells require routine or emergency repairs, Pennichuck is readily available to meet the Town's water needs. Of the 375.03 million gallons of water pumped during 2005, approximately 12.4% of the volume (or 46.6 million gallons) was from Pennichuck Water Works.

Safe drinking water is continually provided. Water sampling and analyses have been performed according to guidelines mandated by the State and Federal Safe Drinking Water Act, administered by the New Hampshire Department of Environmental Services (NH DES). Staff interviews, a system survey and site visits to all major water system components (storage tanks, booster and pump stations) are conducted every three years by the NH DES to evaluate the Milford water system's source, treatment, distribution network capabilities and management. To comply with the Environmental Protection Agency's Copper/Lead Rule, Milford's corrosion control program includes zinc orthophosphate. To meet State and Federal water quality requirements, Sodium Hydroxide (for pH adjustment) and Sodium Hypochlorite (as a disinfectant) are added to the water system.

To increase public awareness regarding the safety of our municipal drinking water, the Water Department prepares a Consumer Confidence Report (CCR) annually to help explain the details of your water system. It is distributed prior to July 1st to all Milford water customers and is mandated by the NH DES. The 2005 CCR is available on the Town of Milford website in both PDF and HTML formats at [www.milford.nh.gov](http://www.milford.nh.gov), by clicking on Town Department, Public Works, and Water Department. Feel free to stop by the Town Hall, the Department of Public Works on South Street or the Wastewater Treatment Facility on Nashua Street during normal business hours to pick up a copy.

**DISTRIBUTION SYSTEM** – During 2005, 4,300 lineal feet of 12" water main was installed on Osgood Road as part of the Holland Water Tank project, which extended our service area by 1,800 feet. Another extension took place on Ponemah Hill Road adding 3,150 linear feet of 12" water main from the Quarrywood Green apartment complex up to Hampshire Hills on Emerson Road. From there, the water main crosses the Hampshire Hills property to service The Reserve, a new development.

The water distribution system was flushed during the spring and fall of 2005, to minimize sediment from building up in the water distribution system. Flushing was accomplished by flowing water from each of the 465 fire hydrants in a pre-planned way, starting at the source (pump) end of the system and continuing to the end of each water main. The flushing allowed the Water Department staff to inspect and test each fire hydrant, assuring our fire protection system would function properly in an emergency. During each fire hydrant flushing event, the staff strives to minimize any impact on you, the customer, and we appreciate your patience with this annual semi-annual project.

In 2005 the Town contracted the Natgun Corporation to construct a 1.35 million gallon storage tank called the Holland Water Tank. Located off of Osgood Road near the intersection of Burns Road, on a lot deeded to the Town by Carl Holland, this tank increases water storage capacity from 1.25 million gallons to 2.6 million gallons. The additional capacity will be a tremendous help in the event of routine or emergency maintenance on any of Milford's water system. The other water tanks located in Milford are:

- Dram Cup Hill Tank, with a storage capacity of 0.5 million gallons
- Prospect Hill Tank, with a storage capacity of 0.25 million gallons
- Mayflower Tank, with a storage capacity of 0.5 million gallons

**WATER SERVICES** – During 2005, 69 water services were added to the Town's water system. The majority of services were related to three developments: Ledgewood (between Tonella Road and Prospect Street), Patch Hill (off Route 13 North) and Le Ann Drive (off Falconer Drive).

**HYDRANT RENTALS/MILFORD** - This is the annual standby fire protection charge to the Town by the Water Department. The basis of charge since 1989 is \$250 per hydrant.

**HYDRANT RENTALS/WILTON** - In the Pine Valley section of Milford, close to the Wilton town line, the Wilton Water Works also provides fire protection with 7 hydrants located on Wilton Road, Maple and Pine Valley Street. Wilton's hydrant rental charge is \$180 per hydrant.

Thank you for your continued support,  
Larry B. Anderson, Superintendent  
Water & Wastewater Departments

**WATER DEPARTMENT STATISTICS – 2005**

Average Minimum Day - Total gallons	700,000	Total Water Pumped - Total gallons	375,032,000
Average Maximum Day - Total gallons	1,460,000	Daily Average - Total gallons	1,030,000
Average gallons pumped per day	1,030,000	Curtis Well - Total gallons	328,388,000
Days - Pumping over one million gallons	170	Pennichuck Water - Total gallons	46,644,000
New water main added	4,300	Number of Service Connections*	3,239
Water main breaks repaired	15	Number of Hydrants	465
Meter removals and installations	231	Water Mains**	51.2 miles
Hydrants added	12	Annual Rainfall	58.3 inches
New water services added	69		
Number of services in system 12/31/05	3,269		

\*Total number of water service accounts for residential, commercial, industrial and irrigation.

\*\*Includes water mains from 4 inch up to 12 inch. The age of the mains runs from 1 year to approximately 110 years old.

**MILLIONS OF GALLONS PUMPED**

	<b><u>2001</u></b>	<b><u>2002</u></b>	<b><u>2003</u></b>	<b><u>2004</u></b>	<b><u>2005</u></b>
<b><u>TOTAL</u></b>	416,186,000	389,948,000	387,684,000	361,846,000	375,032,000

**TOWN OF MILFORD  
WATER FUND CASH BALANCES  
AS OF 12/31/05  
(Unaudited)**

**TOWN OF MILFORD WATER FUND  
STATEMENT OF CUSTOMERS' ACCOUNTS  
AS OF 12/31/05  
(Unaudited)**

		Accounts Receivable as of 1/1/2005	\$ 72,509.42
Cash Balances as of 12/31/05:		Plus Charges:	
		Water User Fees	830,120.62
Undesignated:	\$ 493,010.30	Other Sales	142,245.17
Capital Reserve	385,478.98	Adjustments	
Capital Project Reserve:	178,448.98		972,365.79
Total:	\$ 1,056,938.26		
		Less:	
		Collections on Receivables	(959,458.57)
		Abatements	(209.76)
			(959,668.33)

Accounts Receivable as of 12/31/05 \$ 85,206.88

**NOTE: THERE MAY BE PURCHASES/ENCUMBRANCES OUTSTANDING**

**TOWN OF MILFORD WATER FUND  
INCOME & EXPENSE STATEMENT  
AS OF 12/31/05  
(unaudited)**

	BUDGET	ACTUAL YTD	REMAINING
<b>REVENUES:</b>			
CHARGES FOR SERVICES	\$ 993,000	\$ 967,340	\$ 25,660
MISCELLANEOUS	14,263	30,519	(16,256)
WATER IMPACT FEES	50,000	95,000	(45,000)
GENERAL OBLIGATION BONDS	1,600,000	1,600,000	-
OTHER FINANCING SOURCES	31,797	1,259	30,538
TOTAL REVENUES:	\$ 2,689,060	\$ 2,694,118	\$ (5,058)
<b>EXPENSES:</b>			
ADMINISTRATION	\$ 267,567	\$ 273,290	\$ (5,723)
EMPLOYEE BENEFITS	100,773	86,132	14,641
SUPPLY SYSTEM	233,300	146,509	86,791
PUMPING STATION	166,806	146,866	19,940
TRANSMISSION/DISTRIBUTION	148,198	110,011	38,187
METERS	53,387	94,872	(41,485)
TRANSPORTATION/GARAGE	7,510	8,574	(1,064)
DEBT SERVICE	111,519	103,232	8,287
TOTAL EXPENSES:	\$ 1,089,060	\$ 969,486	\$ 119,574
<b>CAPITAL PROJECTS:</b>			
HOLLAND WATER TANK	\$ 1,600,000	\$ 1,424,847	\$ 175,153

**NOTE: THERE MAY BE PURCHASES/ENCUMBRANCES OUTSTANDING**